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## EV CHARGING INTERFACE

FAST RESPONSE FLEXIBILITY RELIABILITY



# AG ELECTRICAL HOLD THE FUTURE



GLOBAL CERTIFIED SUPPLIER



OUTSTANDING QUALITY



FAST, FLEXIBLE AND RELIABLE



ADVANCED MATERIAL

## COMPANY PROFILE

AG ELECTRICAL is founded in 2015 with the vision of serving renewable energy industry. AG ELECTRICAL has a research and development team of 50 people, focusing on Electric Vehicle Charging Interface, Engineering Design, and Supply Chain Integration. AG ELECTRICAL has established product line in accordance with IEC, SAE, GB/T standard.

AG ELECTRICAL handles independent R&D, Customize, Products Assembling. AG products are recognized by users all around the world.

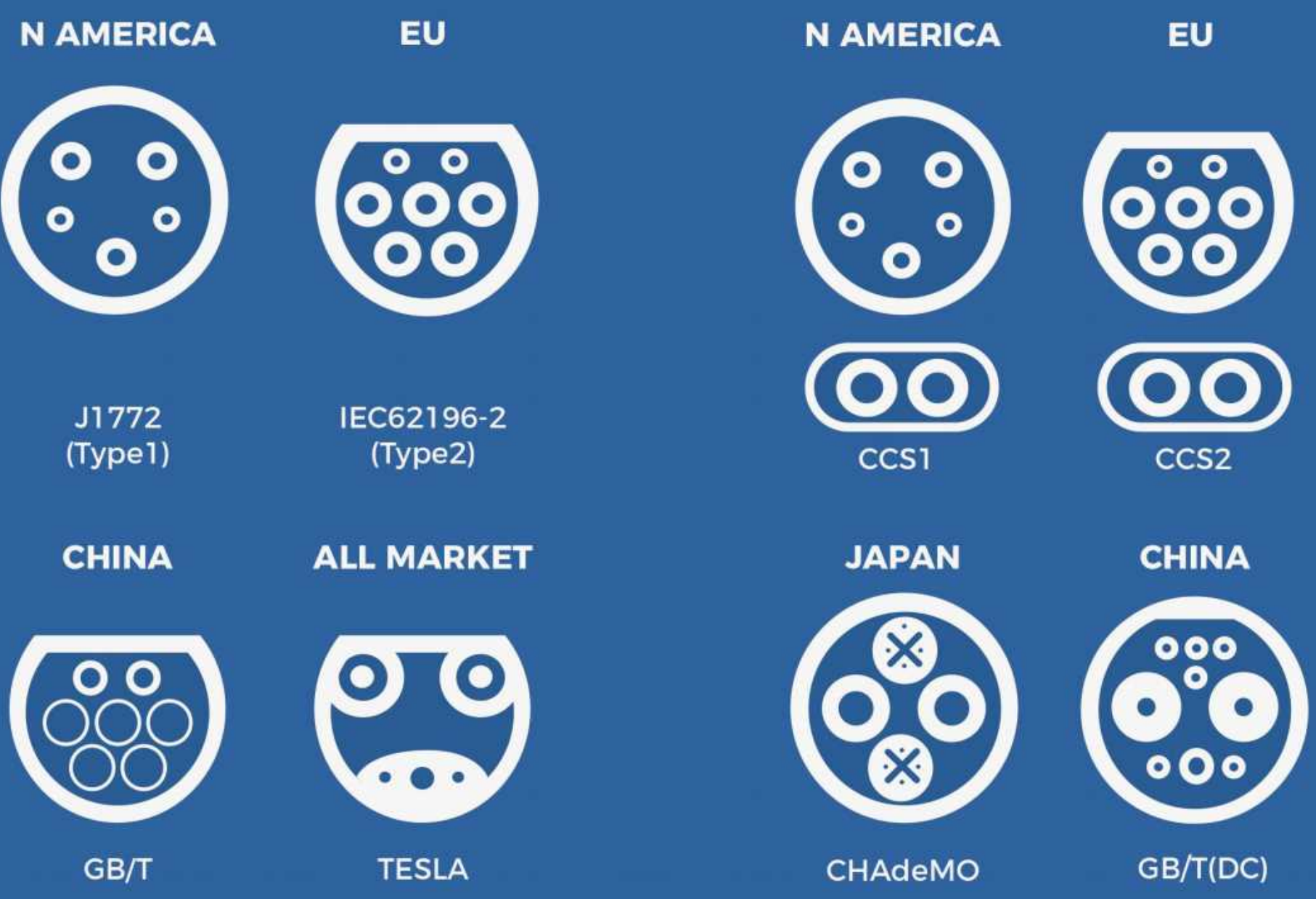
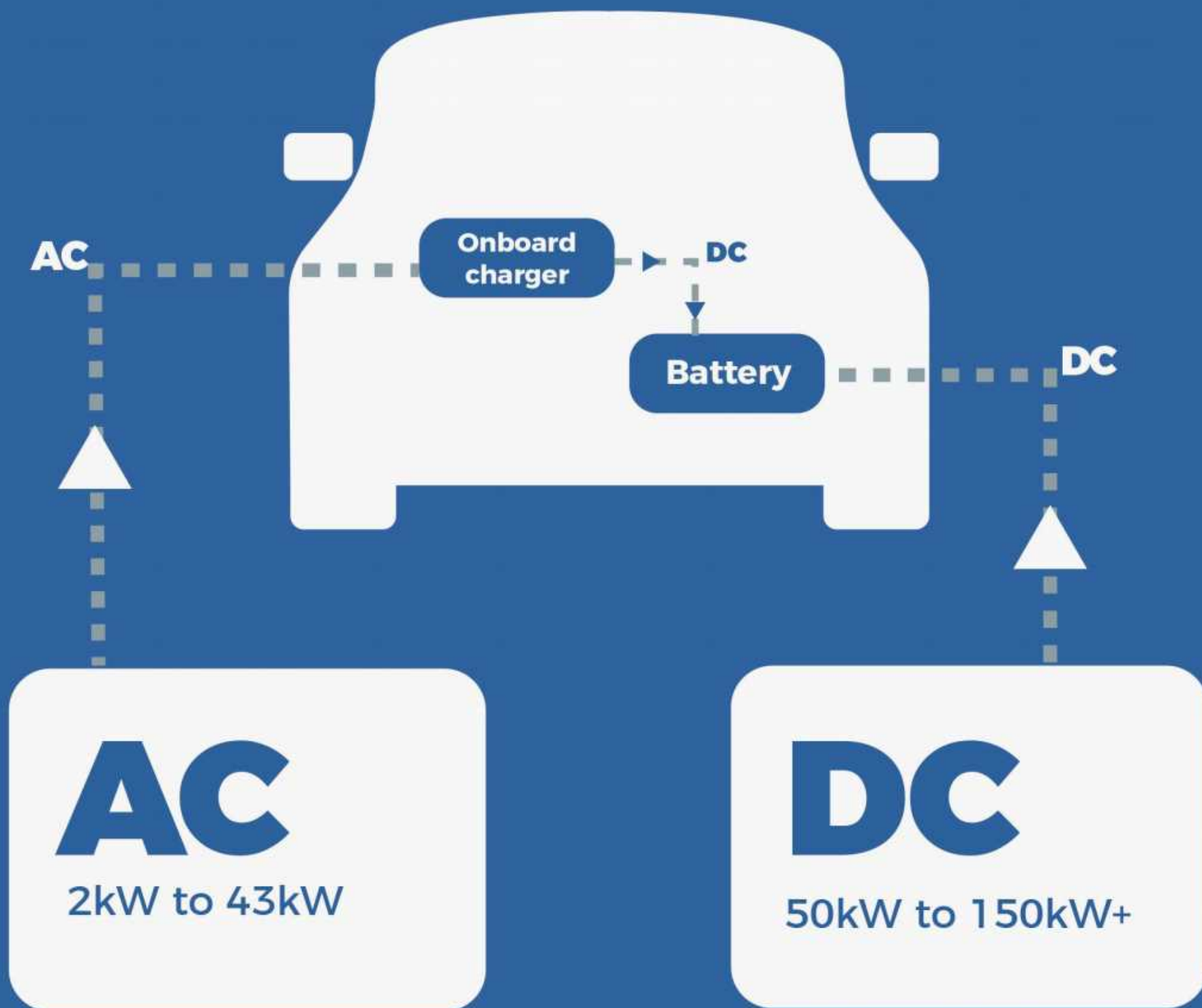
The Vision of AG ELECTRICAL is to serve in the global Renewable energy industry through utilizing the most advanced technologies, scientifically analyzing our products performance, and by working with the pioneers, innovators, and key point leaders (KOLs) in the Renewable energy communities.

Our mission is to grow and develop our network via providing the highest quality EV components and services, that ultimately enhance people's lives through science and technology.

We deliver by fostering a work environment that values and rewards integrity, respect, and performance while contributing positively to the communities that we serve.

### Certification system





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# GB/T AC Charging Plug

GB/T Standardization Administration of the People's Republic of China

## Introduction

The plug conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.

Have one or two PTC (PT1000) thermistor (can match with hela lock) ,have functions of signal feedback.

The head of pins using safety insulation design to prevent direct contact with the hand.



## Feature

- GB/T Interface
- Double Color Coating
- IP55



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Cable Assembly

- Picture



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                            |
|---------------|------------|---------------|---------------|---|
| AG-GAC-32A-3P | 1010       | 32A           | 440V          | 5*6mm <sup>2</sup> +4*0.75mm <sup>2</sup> (P2)  |
| AG-GAC-63A-3P | 1011       | 63A           | 440V          | 5*16mm <sup>2</sup> +4*0.75mm <sup>2</sup> (P2) |

## GB/T AC Charging Plug

|                   |                   |
|-------------------|-------------------|
| Current           | 32A/63A           |
| Voltage           | 440V              |
| Charging Standard | GB/T 20234.2-2015 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                   |
|-----------------------|-------------------|
| Insulation Resistance | >1000 MΩ(DC 500V) |
| Pins Temperature Rise | <50K              |
| Withstand Voltage     | 2500V             |
| Contact Impedance     | 0.5 MΩ MAX        |

## Certificate

|             |           |
|-------------|-----------|
| Certificate | CQC, RoHS |
|-------------|-----------|

# GB/T AC Charging Plug

GB/T Standardization Administration of the People's Republic of China

## Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/T 20234.2-2015.

Using riveting pressure process with none screw and beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

The head of pins using safety insulation design to prevent direct contact with the hand.

Reliable material ,flame retardant, presssure proof , wear - resisting , impact resistance, high oil proof .



## Feature

- GB/T Interface
- Double Color Coating
- IP55



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Cable Assembly

- Picture



| Product code    | Speed Code | Rated current | Rated Voltage | Cable Specifications                        |
|-----------------|------------|---------------|---------------|---|
| AG-GAC-10/16P-2 | 1002       | 10/16A        | 250V          | 3*2.5mm <sup>2</sup> +2*0.75mm <sup>2</sup> |
| AG-GAC-32P-4    | 1006       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.75mm <sup>2</sup>   |
| AG-GAC-16P-3P   | 1009       | 16A           | 440V          | 5*2.5mm <sup>2</sup> +2*0.75mm <sup>2</sup> |

## GB/T AC Charging Plug

|                   |                   |
|-------------------|-------------------|
| Current           | 10A/16A/32A       |
| Voltage           | 250V/440V         |
| Charging Standard | GB/T 20234.2-2015 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |

## Electrical Performance

|                       |                   |
|-----------------------|-------------------|
| Insulation Resistance | >1000 MΩ(DC 500V) |
| Pins Temperature Rise | <50K              |
| Withstand Voltage     | 2500V             |
| Contact Impedance     | 0.5 MΩ MAX        |

## Certificate

|             |           |
|-------------|-----------|
| Certificate | CQC, RoHS |
|-------------|-----------|

# GB/T DC Charging Plug

GB/T Standardization Administration of the People's Republic of China

## Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/ T 20234.2-2015.

Have one or two PTC (PT1000) thermistor.

Have a electromagnetic locking device (can match with hela lock) ,have functions of signal feedback.

Developed for portable DC charging pile ,beautiful appearance with hand - held design and small in volume make installation easily, insertion and with-drawal conveniently .



## Material

- PC+PBT Alloy
- TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Feature

- GB/T Interface
- IP 55



## Cable Assembly

- Picture



| Product code | Speed Code | Rated current | Rated Voltage | Cable Specifications  |
|--------------|------------|---------------|---------------|---|
| AG-GDC-32P-3 | 1020       | 32A           | 1000V         | 3*6mm <sup>2</sup> +2*4mm <sup>2</sup> +4*0.75mm <sup>2</sup> (P2)                                    |
| AG-GDC-40P-2 | 1022       | 40A           | 1000V         | 3*10mm <sup>2</sup> +2*4mm <sup>2</sup> +2* (2*0.75mm <sup>2</sup> ) (P2) +2*(3*0.75mm <sup>2</sup> ) |

## GB/T DC Charging Plug

|                   |                   |
|-------------------|-------------------|
| Current           | 32A/40A           |
| Voltage           | 1000V             |
| Charging Standard | GB/T 20234.2-2015 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                    |
|-----------------------|--------------------|
| Insulation Resistance | >2000MΩ (DC1000V)  |
| Pins Temperature Rise | <50K               |
| Withstand Voltage     | 4500V (DC+/DC-/PE) |
| Contact Impedance     | 0.5 MΩ MAX         |

## Certificate

|             |           |
|-------------|-----------|
| Certificate | CQC, RoHS |
|-------------|-----------|

# GB/T DC Charging Plug

GB/T Standardization Administration of the People's Republic of China

## Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/T 20234.2-2015.

Have one or two PTC (PT1000) thermistor.

Have a electromagnetic locking device (can match with hela lock), have functions of signal feedback.

Developed for portable DC charging pile, beautiful appearance with hand-held design and small in volume make installation easily, insertion and withdrawal conveniently.



## Feature

- GB/T Interface
- IP 55



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Cable Assembly

- Picture



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications   |
|---------------|------------|---------------|---------------|--|
| AG-GDC-80P-3  | 1025       | 80A           | 1000V         | 2*20mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2* (2*0.75mm <sup>2</sup> ) (P2) +2*(4*0.75mm <sup>2</sup> ) |
| AG-GDC-125P   | 1027       | 125A          | 1000V         | 2*35mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2* (2*0.75mm <sup>2</sup> ) (P2) +2*(4*0.75mm <sup>2</sup> ) |
| AG-GDC-150P   | 1028       | 150A          | 1000V         | 2*50mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2* (2*0.75mm <sup>2</sup> ) (P2) +2*(4*0.75mm <sup>2</sup> ) |
| AG-GDC-200P   | 1029       | 200A          | 1000V         | 2*70mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2* (2*0.75mm <sup>2</sup> ) (P2) +2*(4*0.75mm <sup>2</sup> ) |
| AG-GDC-250P-1 | 1030       | 250A          | 1000V         | 2*80mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2* (2*0.75mm <sup>2</sup> ) (P2) +2*(4*0.75mm <sup>2</sup> ) |

## GB/T DC Charging Plug

|                   |                         |
|-------------------|-------------------------|
| Current           | 80A/125A/150A/200A/250A |
| Voltage           | 1000V                   |
| Charging Standard | GB/T 20234.2-2015       |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                    |
|-----------------------|--------------------|
| Insulation Resistance | >2000MΩ (DC1000V)  |
| Pins Temperature Rise | <50K               |
| Withstand Voltage     | 4500V (DC+/DC-/PE) |
| Contact Impedance     | 0.5 MΩ MAX         |

## Certificate

|             |           |
|-------------|-----------|
| Certificate | CQC, RoHS |
|-------------|-----------|

# GB/T Model 2 EV Portable Charger

GB/T Standardization Administration of the People's Republic of China

## Introduction

Flexibly and custom input plug types.

The control box pannel adopts OLED display function, the current and voltage, the charging state and temperature of the circuit board in real time.

Applied double color coating technology, custom color of plug and control box.

Switchable currents, charging appointment.

Intelligent chip can monitor and repair charging problem automatically.



## Feature

- GB/T Interface
- IP 55(Plug)
- IP 67(control box)



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPU/TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Input Plug

- Options



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                        |
|---------------|------------|---------------|---------------|---|
| AG-T-GM-16P-1 | 5003       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.75mm <sup>2</sup> |
| AG-T-GM-16P-3 | 5008       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.75mm <sup>2</sup> |
| AG-T-GM-32P-1 | 5014       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.75mm <sup>2</sup>   |
| AG-T-GM-32P-3 | 5020       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.75mm <sup>2</sup>   |

## GB/T Model 2 Portable Charger

|                   |                   |
|-------------------|-------------------|
| Current           | 16A/32A           |
| Voltage           | 250V              |
| Charging Standard | GB/T 20234.2-2015 |

## Protections

|                             |     |
|-----------------------------|-----|
| Over voltage Protection     | Yes |
| Under vltage Protection     | Yes |
| Earth leak Protection       | Yes |
| Ground Protection           | Yes |
| Over-temperature Protection | Yes |
| Over load Protection        | Yes |
| Lightning Protection        | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C~+50°C                     |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |           |
|-------------|-----------|
| Certificate | CQC, RoHS |
|-------------|-----------|



# GB/T AC Charging Socket

GB/T Standardization Administration of the People's Republic of China

## Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/T 20234.2-2015.

Have a electromagnetic locking device (can match with hela lock) ,have functions of signal feedback.

Beautiful appearance , prevention cap can be installed on the left side, the right side or the front of it.

Reliable material ,flame retardant, presssure proof , wear - resisting , impact resistance, high oil proof .



## Material

- PC+PBT Alloy
- Copper Alloy, Silver Plated

## Feature

- GB/T Interface
- IP 55

## Accessories

- Electromagnetic Lock



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                        |
|---------------|------------|---------------|---------------|---|
| AG-GAC-16S    | 1032       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.75mm <sup>2</sup> |
| AG-GAC-32S    | 1033       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.75mm <sup>2</sup>   |
| AG-GAC-16S-3P | 1034       | 16A           | 440V          | 5*2.5mm <sup>2</sup> +2*0.75mm <sup>2</sup> |
| AG-GAC-32S-3P | 1035       | 32A           | 440V          | 5*6mm <sup>2</sup> +2*0.75mm <sup>2</sup>   |
| AG-GAC-63S-3P | 1036       | 63A           | 440V          | 3*16mm <sup>2</sup> +2*0.75mm <sup>2</sup>  |

## GB/T AC Charging Socket

|                   |                   |
|-------------------|-------------------|
| Current           | 16A/32A/63A       |
| Voltage           | 250V/440V         |
| Charging Standard | GB/T 20234.2-2015 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |           |
|-------------|-----------|
| Certificate | CQC, RoHS |
|-------------|-----------|

# GB/T DC Charging Socket

GB/T Standardization Administration of the People's Republic of China

## Introduction

Conform to the provisions and requirements of <Connection set for conductive charging of electric vehicles> GB/T 20234.2-2015.

Have a electromagnetic locking device (can match with hela lock) ,have functions of signal feedback.

Beautiful appearance , prevention cap can be installed on the left side, the right side or the front of it.

Reliable material ,flame retardant, pressure proof , wear - resisting , impact resistance, high oil proof .



## Material

- PC+PBT Alloy
- Copper Alloy, Silver Plated

## Feature

- GB/T Interface
- IP 55

## Accessories

- Electromagnetic Lock



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications  |
|---------------|------------|---------------|---------------|---|
| AG-GDC-32S    | 1037       | 32A           | 1000V         | 3*6mm <sup>2</sup> +2*4mm <sup>2</sup> +2*2*0.75mm <sup>2</sup> +2*(3*0.75mm <sup>2</sup> )                         |
| AG-GDC-40S    | 1038       | 40A           | 1000V         | 3*10mm <sup>2</sup> +2*4mm <sup>2</sup> +2*2*0.75mm <sup>2</sup> +2*(3*0.75mm <sup>2</sup> )                        |
| AG-GDC-80S    | 1039       | 80A           | 1000V         | 2*20mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2*0.75mm <sup>2</sup> (P2) +5*0.75mm <sup>2</sup>     |
| AG-GDC-125S   | 1040       | 125A          | 1000V         | 2*35mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2*0.75mm <sup>2</sup> (P2)+5*0.75mm <sup>2</sup>      |
| AG-GDC-150S   | 1041       | 150A          | 1000V         | 2*50mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2P(4*0.75mm <sup>2</sup> )+2P(2*0.75mm <sup>2</sup> ) |
| AG-GDC-200S-1 | 1042       | 200A          | 1000V         | 2*70mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2*0.75m <sup>2</sup> (P2)+5*0.75mm <sup>2</sup>       |
| AG-GDC-250S   | 1043       | 250A          | 1000V         | 2*95mm <sup>2</sup> +1*25mm <sup>2</sup> +2*4mm <sup>2</sup> +2*0.75mm <sup>2</sup> (P2)+5*0.75mm <sup>2</sup>      |

## GB/T DC Charging Socket

|                   |                                 |
|-------------------|---------------------------------|
| Current           | 32A/40A/80A/125A/150A/200A/250A |
| Voltage           | 1000V                           |
| Charging Standard | GB/T 20234.2-2015               |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                    |
|-----------------------|--------------------|
| Insulation Resistance | >2000MΩ (DC1000V)  |
| Pins Temperature Rise | <50K               |
| Withstand Voltage     | 4500V (DC+/DC-/PE) |
| Contact Impedance     | 0.5 MΩ MAX         |

## Certificate

|             |           |
|-------------|-----------|
| Certificate | CQC, RoHS |
|-------------|-----------|

# IEC AC Charging Plug



## Introduction

Conform to the provisions and requirements of IEC 62196-2-2016 2-IIe.

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC Interface
- IP 55



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

## Cable Assembly

- Picture



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|---------------|------------|---------------|---------------|--|
| AG-IAC-16A    | 3001       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-IAC-32A    | 3002       | 32A           | 480V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
| AG-IAC-16A-3p | 3003       | 16A           | 250V          | 5*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-IAC-32A-3p | 3004       | 32A           | 480V          | 5*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## IEC AC Charging Plug

|                   |             |
|-------------------|-------------|
| Current           | 16A/32A     |
| Voltage           | 250V/480V   |
| Charging Standard | IEC 62196-2 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# IEC AC Charging Plug



## Introduction

Conform to the provisions and requirements of IEC 62196-2-2016 2-IIb.

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC Interface
- IP 55



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

## Cable Assembly

- Picture



## Customized

- Coating Color



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|---------------|------------|---------------|---------------|--|
| AG-IAC-16A    | 3001       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-IAC-32A    | 3002       | 32A           | 480V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
| AG-IAC-16A-3p | 3003       | 16A           | 250V          | 5*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-IAC-32A-3p | 3004       | 32A           | 480V          | 5*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## IEC AC Charging Plug

|                   |             |
|-------------------|-------------|
| Current           | 16A/32A     |
| Voltage           | 250V/480V   |
| Charging Standard | IEC 62196-2 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# IEC AC Charging Socket



## Introduction

Conform to the requirements of IEC 62196-2  
 Match with Hella lock device.  
 Have one or two PTC(PT1000) thermistor (can match with NTC or Temperature control switch  
 Beautiful appearance, prevention cap can be installed on the left side, the right side or the front of it.  
 Reliable material, flame retardent, pressure proof, wear-resisting, impact resistance, high oil proof.



## Feature

- IEC Interface
- IP 55



## Customized

- Reveting
- Screwing



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

## Accessories

- Hella Lock
- Signal Cable



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|---------------|------------|---------------|---------------|--|
| AG-IAC-16AS   | 3005       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
|               |            | 16A           | 480V          | 5*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-IAC-32AS-1 | 3006       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
|               |            | 32A           | 480V          | 5*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
| AG-IAC-16AS-1 | 3007       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
|               |            | 16A           | 480V          | 5*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-IAC-32AS-2 | 3008       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
|               |            | 32A           | 480V          | 5*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## IEC AC Charging Socket

|                   |             |
|-------------------|-------------|
| Current           | 16A/32A     |
| Voltage           | 250V/480V   |
| Charging Standard | IEC 62196-2 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# IEC Model 2 EV Portable Charger



## Introduction

Flexibly and custom input plug types.

The control box pannel adopts OLED display function, the current and voltage, the charging state and temperature of the circuit board in real time.

Applied double color coating technology, custom color of plug and control box.

Switchable currents, charging appointment.

Intelligent chip can monitor and repair charging problem automatically.



## Feature

- IEC Interface
- IP 55(Plug)
- IP 67(control box)



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPU/TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Input Plug

- Options



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|---------------|------------|---------------|---------------|--|
| AG-T-IM-16P-1 | 5002       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-T-IM-16P-3 | 5007       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-T-IM-32P-1 | 5013       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
| AG-T-IM-32P-3 | 5019       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## IEC Model 2 Portable Charger

|                   |            |
|-------------------|------------|
| Current           | 16A/32A    |
| Voltage           | 250V       |
| Charging Standard | IEC62196-2 |

## Protections

|                             |     |
|-----------------------------|-----|
| Over voltage Protection     | Yes |
| Under vltage Protection     | Yes |
| Earth leak Protection       | Yes |
| Ground Protection           | Yes |
| Over-temperature Protection | Yes |
| Over load Protection        | Yes |
| Lightning Protection        | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C~+50°C                     |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# IEC Type 2 - Type 2 EV Charging Model 3



## Introduction

Conform to the provisions and requirements of IEC 62196-2.

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC Interface
- IP 55
- Connect Charging Pile (Socket Version) and Electrical Vehicle



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

## Cable Assembly

- Spiral Version



## Customized

- Coating Color



| Product code   | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|----------------|------------|---------------|---------------|--|
| AG-T-II-16P    | 3005       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-T-II-32P    | 3006       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
| AG-T-II-16P-3p | 3007       | 16A           | 480V          | 5*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-T-II-32P-3p | 3008       | 32A           | 480V          | 5*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## IEC Type 2 - Type 2 Charging Cable

|                   |             |
|-------------------|-------------|
| Current           | 16A/32A     |
| Voltage           | 250V/480V   |
| Charging Standard | IEC 62196-2 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C-+50°C                     |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# IEC Type 2 - Type 1 EV Charging Model 3



## Introduction

Conform to the provisions and requirements of IEC 62196-2, SAE J1772.

Using riveting pressure process with none screw, have a beautiful appearance. Hand-held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span, TPU sheath improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC and SAE Interface
- IP 55
- Connect Charging Pile (Socket Version) and Electrical Vehicle



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Rubber

## Cable Assembly

- Spiral Version



| Product code | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|--------------|------------|---------------|---------------|--|
| AG-T-IS-16P  | 3009       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-T-IS-32P  | 3010       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## IEC Type 2 - Type 1 Charging Cable

|                   |                        |
|-------------------|------------------------|
| Current           | 16A/32A                |
| Voltage           | 250V                   |
| Charging Standard | IEC 62196-2, SAE J1772 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug > 10000 times      |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C ~ +50°C                   |
| Protection               | IP55 IK08                       |
| Insertion Force          | < 100N                          |

## Electrical Performance

|                       |                   |
|-----------------------|-------------------|
| Insulation Resistance | > 1000MΩ (DC500V) |
| Pins Temperature Rise | < 50K             |
| Withstand Voltage     | 2500V             |
| Contact Impedance     | 0.5 MΩ MAX        |

## Certificate

|             |               |
|-------------|---------------|
| Certificate | TUV, CE, RoHS |
|-------------|---------------|



# IEC Type 2 - Type 1 Adaptor EV Charging Model 3



## Introduction

Conform to the provisions and requirements of IEC 62196-2,SAE J1772.

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC and SAE Interface
- IP 55
- Connect Charging Pile (Plug Version) and Electrical Vehicle



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

## Customized

- Coating Color



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                     |
|---------------|------------|---------------|---------------|--|
| AG-T-SI-32P-C | 3012       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup> |

## IEC Type 2 - Type 1 Adaptor

|                   |                       |
|-------------------|-----------------------|
| Current           | 32A                   |
| Voltage           | 250V                  |
| Charging Standard | IEC 62196-2,SAE J1772 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# IEC Type 2 - GB/T EV Charging Model 3



## Introduction

Conform to the provisions and requirements of IEC 62196-2, GB/T 20234.2

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC and GB/T Interface
- IP 55
- Connect Charging Pile (Socket Version) and Electrical Vehicle



## Material

- PC+PBT Alloy
- TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Customized

- Coating Color



| Product code | Speed Code | Rated current | Rated Voltage | Cable Specifications                      |
|--------------|------------|---------------|---------------|---|
| AG-T-IG-32P  | 3011       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.75mm <sup>2</sup> |

## IEC Type 2 - GB/T Charging Cable

|                   |                           |
|-------------------|---------------------------|
| Current           | 32A                       |
| Voltage           | 250V                      |
| Charging Standard | IEC 62196-2, GB/T 20234.2 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# IEC Type 2 - GB/T Adaptor EV Charging Model 3



## Introduction

Conform to the provisions and requirements of IEC 62196-2, GB/T 20234.2

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC and GB/T Interface
- IP 55
- Connect Charging Pile (Plug Version) and Electrical Vehicle



## Material

- PC+PBT Alloy
- TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Customized

- Coating Color



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                      |
|---------------|------------|---------------|---------------|---|
| AG-T-IG-32P-C | 3013       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.75mm <sup>2</sup> |

## IEC Type 2 - GB/T Adaptor

|                   |                           |
|-------------------|---------------------------|
| Current           | 32A                       |
| Voltage           | 250V                      |
| Charging Standard | IEC 62196-2, GB/T 20234.2 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# Type 1 Socket - Type 2 Adaptor EV Charging Model 3



## Introduction

Conform to the provisions and requirements of IEC 62196-2, SAE J1772

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU sheath improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC and SAE Interface
- IP 55
- Connect Charging Pile (Plug Version) and Electrical Vehicle



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Rubber

## Customized

- Coating Color



| Product code | Speed Code | Rated current | Rated Voltage | Cable Specifications                     |
|--------------|------------|---------------|---------------|--|
| AG-T-IS-32P  | 2004       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup> |

## Type 1 Socket - Type 2 Adaptor

|                   |                        |
|-------------------|------------------------|
| Current           | 32A                    |
| Voltage           | 250V                   |
| Charging Standard | SAE J1772, IEC 62196-2 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# IEC DC Charging Plug



## Introduction

Conform to the provisions and requirements of IEC 62196-3-2016 .

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear

Excellent protection performance,protection grade achiev-ed IP55( working condition).



## Feature

- IEC Interface
- IP 55



## Customized

- Plug Color



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

## Cable Assembly

- Picture



| Product code | Speed Code | Rated current | Rated Voltage | Cable Specifications   |
|--------------|------------|---------------|---------------|--|
| AG-IDC-80A   | 3023       | 80A           | 1000V         | 2*16mm <sup>2</sup> +1*25mm <sup>2</sup> +(6*0.75mm <sup>2</sup> )(P2) |
| AG-IDC-125A  | 3024       | 125A          | 1000V         | 2*35mm <sup>2</sup> +1*25mm <sup>2</sup> +(6*0.75mm <sup>2</sup> )(P2) |
| AG-IDC-150A  | 3025       | 150A          | 1000V         | 2*50mm <sup>2</sup> +1*25mm <sup>2</sup> +(6*0.75mm <sup>2</sup> )(P2) |
| AG-IDC-200A  | 3026       | 200A          | 1000V         | 2*70mm <sup>2</sup> +1*25mm <sup>2</sup> +(6*0.75mm <sup>2</sup> )(P2) |

## IEC DC Charging Plug

|                   |                    |
|-------------------|--------------------|
| Current           | 80A/125A/150A/200A |
| Voltage           | 1000V              |
| Charging Standard | IEC 62196-3        |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C-+50°C                     |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# SAE AC Charging Plug



## Introduction

Conform to the provisions and requirements of SAE J1772 -2012.

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- IEC Interface
- IP 55



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPU
- Copper Alloy, Silver Plated
- Silicon Ruber

## Cable Assembly

- Picture



| Product code | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|--------------|------------|---------------|---------------|--|
| AG-SAE-16A   | 2001       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-SAE-32A   | 2002       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## SAE AC Charging Plug

|                   |           |
|-------------------|-----------|
| Current           | 16A/32A   |
| Voltage           | 250V      |
| Charging Standard | SAE J1772 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# SAE Model 2 EV Portable Charger



## Introduction

Flexibly and custom input plug types.

The control box pannel adopts OLED display function, the current and voltage, the charging state and temperature of the circuit board in real time.

Applied double color coating technology, custom color of plug and control box.

Switchable currents, charging appointment.

Intelligent chip can monitor and repair charging problem automatically.



## Feature

- SAEJ1772 Interface
- IP 55(Plug)
- IP 67(control box)



## Customized

- Coating Color



## Material

- PC+PBT Alloy
- TPU/TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Input Plug

- Options



| Product code  | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|---------------|------------|---------------|---------------|--|
| AG-T-SM-16P-1 | 5001       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-T-SM-16P-3 | 5006       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-T-SM-32P-1 | 5013       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
| AG-T-SM-32P-3 | 5018       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## SAE Model 2 Portable Charger

|                   |          |
|-------------------|----------|
| Current           | 16A/32A  |
| Voltage           | 250V     |
| Charging Standard | SAEJ1772 |

## Protections

|                             |     |
|-----------------------------|-----|
| Over voltage Protection     | Yes |
| Under vltage Protection     | Yes |
| Earth leak Protection       | Yes |
| Ground Protection           | Yes |
| Over-temperature Protection | Yes |
| Over load Protection        | Yes |
| Lightning Protection        | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# SAE AC Charging Socket



## Introduction

Conform to the provisions and requirements of SAE J1772 -2012.

Beautiful appearance , prevention cap can be installed on the left side, the right side or the front of it.

Reliable material ,flame retardant, pressure proof , wear - resisting , impact resistance, high oil proof .



## Feature

- SAE Interface
- IP 44



## Material

- PC+PBT Alloy
- Copper Alloy, Silver Plated

## Cable Assembly

- Picture



| Product code | Speed Code | Rated current | Rated Voltage | Cable Specifications                       |
|--------------|------------|---------------|---------------|--|
| AG-SAE-S-16P | 2007       | 16A           | 250V          | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| AG-SAE-S-32P | 2007       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |

## SAE AC Charging Socket

|                   |           |
|-------------------|-----------|
| Current           | 16A/32A   |
| Voltage           | 250V      |
| Charging Standard | SAE J1772 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|



# Type 1 Socket - GB/T Adaptor EV Charging Model 3



## Introduction

Conform to the provisions and requirements of SAE J1772,GB/T 20234.2

Using riveting pressure process with none screw , have a beautiful appearance .Hand - held design conform to the ergonomic principle, easy plug.

XLPO for cable insulation prolonging the aging resistance life - span , TPU shenth improved the bending life and wear.

Applied double color coating technology, customize color.



## Feature

- GB/T and SAE Interface
- IP 55
- Connect Charging Pile (Plug Version) and Electrical Vehicle



## Material

- PC+PBT Alloy
- TPE
- Copper Alloy, Silver Plated
- Silicon Ruber

## Customized

- Coating Color



| Product code | Speed Code | Rated current | Rated Voltage | Cable Specifications                      |
|--------------|------------|---------------|---------------|---|
| AG-T-GS-32P  | 2003       | 32A           | 250V          | 3*6mm <sup>2</sup> +2*0.75mm <sup>2</sup> |

## Type 1 Socket - GB/T Adaptor

|                   |                        |
|-------------------|------------------------|
| Current           | 32A                    |
| Voltage           | 250V                   |
| Charging Standard | SAE J1772,GB/T 20234.2 |

## Customization Options

|               |     |
|---------------|-----|
| Cable Length  | Yes |
| Cable Color   | Yes |
| Plug Color    | Yes |
| Logo Printing | Yes |

## Mechanical Properties

|                          |                                 |
|--------------------------|---------------------------------|
| Mechanical Life          | No-load Plug>10000 times        |
| Impact of External Force | 1m Drop and 2t Vehicle Run Over |
| Flame Retardant Grade    | UL94 V-0                        |
| Operating Temperature    | -30°C--+50°C                    |
| Protection               | IP55 IK08                       |
| Insertion Force          | <100N                           |

## Electrical Performance

|                       |                  |
|-----------------------|------------------|
| Insulation Resistance | >1000MΩ (DC500V) |
| Pins Temperature Rise | <50K             |
| Withstand Voltage     | 2500V            |
| Contact Impedance     | 0.5 MΩ MAX       |

## Certificate

|             |              |
|-------------|--------------|
| Certificate | TUV,CE, RoHS |
|-------------|--------------|

# Accessories



GB/T DC Dummy Socket  
Speed Code:1048



SAE AC Dummy Socket  
Speed Code:2006



GB/T AC Dummy Socket  
Speed Code:1046



IEC AC Dummy Socket



IEC AC Dummy Socket  
Speed Code:3014



IEC DC Dummy Socket  
Speed Code: 3028



Electronic Lock  
Speed Code: 4022



Hella Actuator Lock  
Speed Code: 4024

# AG Certification System



ISO 9001 ISO 14001 OHSAS 18001

AG ELECTRICAL strictly implements IATF 16949 and ISO 9001 international quality management system. We have obtained TUV CE RoHS CCC ISO certificates. There are various charging interfaces and charging solutions in accordance with SAE J1772, GB/T20234, IEC 62196 and other standards, so as to apply to multiple brands of electric vehicles and charging stations. We have many years cable manufacture experiences and independent research, development and production of cables.

Customization is the most accepted competitive advantage of us from raw material to finished Industrial Products. Our products are exported to Europe, southeast Asia and other countries and regions, and has been recognized by users around the world.



AG team obtained the certification of TUV connectors and cables in January 2019, which means our products can officially enter into the European market.

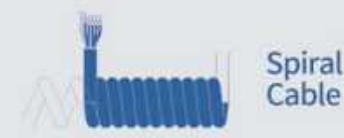
We have obtained the relevant certification of IATF 16949 by TUV SUD and are qualified to cooperate with most main engine plants.

3C certification is known as "China compulsory product certification", RoHS and "CE" marks are compulsory certification marks in the EU market, with irreplaceable importance. We can provide relevant documents if our clients ask for it.

This is an international system created within the International Electrotechnical Commission (IEC) for conformity assessment of electrical and electronic products and components.

The UKCA (UK Conformity Assessed) marking is the UK's replacement for the CE marking. It may be applied from Single Market Exit Day on 1 January 2021.

# EV Charging Spiral Cable



## Introduction

It is generally made of TPU cable. The power connection used to control the movement of mobile devices can rebound quickly in a short time. It is widely used in mobile devices such as automobiles, machines, instruments and so on. According to the direction, there are mainly left direction coil spring and right direction coil spring.



## Feature

- Conform to the provisions and requirements of 62196-2 IEC 2010
- Flexibility and Elasticity
- Non-toxic and Environment-friendly polymer
- High strength, Wear resistance, Cold resistance, High temperature resistance
- Oil resistance, Water resistance, Aging resistance

| Item | Outer diameter | Coiled Length | Cable Specifications                       |
|------|----------------|---------------|--|
| 1    | 65±10MM        | 2750MM        | 5*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
| 2    | 50±10MM        | 3050MM        | 3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>   |
| 3    | 50±10MM        | 3050MM        | 5*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |
| 4    | 45±10MM        | 2650MM        | 3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> |

# AG OEM/ODM Service

## OEM: Original Equipment Manufacturing

Refers to the production in accordance with your specific conditions, all design drawings are completely in accordance with the design of your company to carry out manufacturing processing. OEM includes color,length,logo,packing,etc

## ODM: Original Design Manufacturer/Private Labeling

It Means that the importer selects an already-existing product design from a factory catalog, makes a few small changes and sells it under their own brand name. Changes can include things like packaging or product bundles, colors and branding, and some limited adjustments to components or functionality. ODM includes product appearance design,function setting,new product development,etc

We provide flexible customized services with our abundant experiences in kinds of OEM and ODM

